

ABSTRACT

Two rotors 18a, 18b each housing a honeycomb structure  
25 carrying an absorbent is driven for rotation by a common  
5 motor 19. Partitioning members 17 define an absorbing zone S  
and a recovery zone U in the rotor depending on the angular  
positional relationship between the partitioning members 17 and  
the rotor corresponding thereto. In the absorbing zone S, the  
absorbent removes moisture and organic matters from air  
10 passing therethrough. In the recovery zone U, recovery of the  
absorbent deteriorated by absorbing the moisture and the  
organic matters is preformed by using heated dry air. Air  
sucked from a transfer space 10 of the processing system  
sequentially passes through the absorbing zones of both the  
15 rotors via a circulation passage 20, thereafter returned to the  
transfer space. A part of clean dry air having passed through  
the absorbing zones of both the rotors is supplied into an  
exhaust passage 21, and is heated by a heater, and passes  
through the recovery zones of both the rotors.

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